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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): HOCHBERG, Richard  
SERIAL NO.: 10/796,462  
FILED: March 9, 2004  
FOR: 15Alpha-substituted estradiol carboxylic acid esters as  
Locally active estrogens.  
GROUP ART UNIT: 1615  
EXAMINER:

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 223313-1450

INFORMATION DISCLOSURE STATEMENT

SIR:

Pursuant to the Duty to Disclose under 37 C.F.R. §1.56(a), applicant encloses herewith a copy of Form PTO-1449 listing an "other document" relevant to the background of the invention described and claimed in the above-identified application. This reference was also cited in a recent International Search Report (copy enclosed). For the convenience of the Examiner, a copy of the listed document is enclosed.

Applicant respectfully requests that the Examiner consider the enclosed reference in determining the patentability of the claimed invention. Applicant also requests that the Examiner return a copy of enclosed Form PTO-1449 with initials or other marks indicating that the reference has been so considered. If any fee is due, please charge/credit deposit account no. 04-0838.

Respectfully submitted,

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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: "Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" on September 14, 2004.

Harold Hull

Harold Hull

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>	Att'y Ref: Y03-078US	Serial No: 10/796,462
	Applicant: HOCHBERG, Richard	
	Filing Date: March 9, 2004	Art Unit: 1615

United States Patent Documents						
Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date

Foreign Patent Documents							
Examiner Initial	Publication Number	Publication Date	Country	Class	Subclass	Translation	
						Yes	No

Examiner Initial	Other Documents (by Title, Author Date, Pertinent Pages, Etc.)
	LINDER et al. "Preparation of Estrone and Estradiol Antigens through Carbon 15 of these Estrogens" <i>Steroids</i> . February 1977, Vol. 29, No. 2, pages 161-170.

Examiner:	Date Considered:
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered; Include a copy of this form with next communication to the applicant.	

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/07092

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07J 1/00; A61K 31/56

US CL : 552/629; 514/182

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 552/629; 514/182

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
REGISTRY, CAPLUS, USPATFULL, MARPAT

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LINDER et al. Preparation of Estrone and Estradiol Antigens through Carbon 15 of these Estrogens. Steroids. February 1977, Vol. 29, No. 2, pages 161-170, especially page 164, compound VI.	1

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

Special categories of cited documents:	
* "A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

26 August 2004 (26.08.2004)

Date of mailing of the international search report

10 SEP 2004

Name and mailing address of the ISA/US

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